

Experiment 2

2. Extend the lexical Analyzer to Check comments, defined as follows in C:

- a) A comment begins with // and includes all characters until the end of that line.
- b) A comment begins with /* and includes all characters through the next occurrence of the character sequence */. Develop a lexical Analyzer to identify whether a given line is a comment or not.

Program:

```
#include<stdio.h>

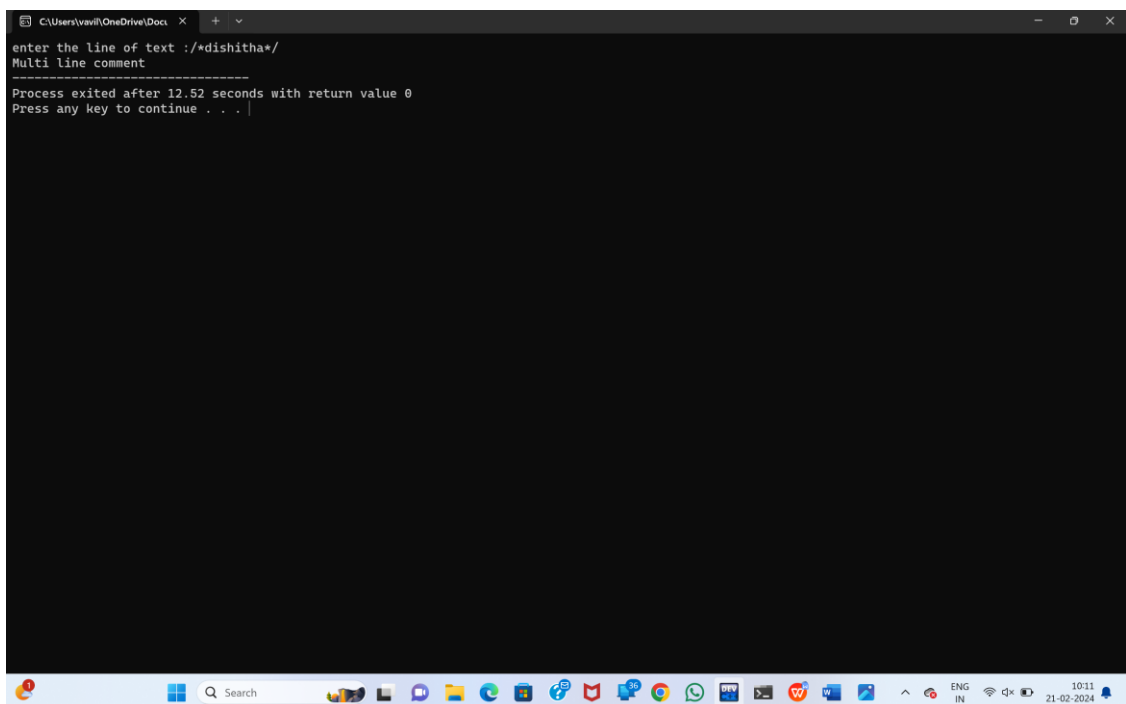
#include<conio.h>

#include<string.h>

int main()
{
    char a[30];
    int len;
    printf("enter the line of text :");
    scanf("%[^\n]s",&a);
    len=strlen(a);
    if(a[0]=='/'&&a[1]=='/')
    {
        printf("single line comment");
    }
    else if(a[0]=='/' && a[1]=='*'&&a[len-1]=='/' &&
a[len-2]=='*')
```

```
{  
    printf("Multi line comment");  
}  
else  
{  
    printf("Not a comment");  
}  
return 0;  
}
```

Output:



```
C:\Users\vaill\OneDrive\Docu...  
enter the line of text :/*dishitha*/  
Multi line comment  
-----  
Process exited after 12.52 seconds with return value 0  
Press any key to continue . . . |
```

